Master

TV-3100

INSTRUCTION MANUAL
MANUAL DE INSTRUCCIONES

Color LCD Television
Televisor color con pantalla de cristal líquido

CASIO

MO0806080Z- Printed in Japan

(英)(西) B/C

English

Thank you for purchasing the CASIO TV-3100 color LCD television. To fully enjoy the features of this unit and to ensure years of trouble-free operation, be sure to carefully read this manual and follow the instructions contained herein.

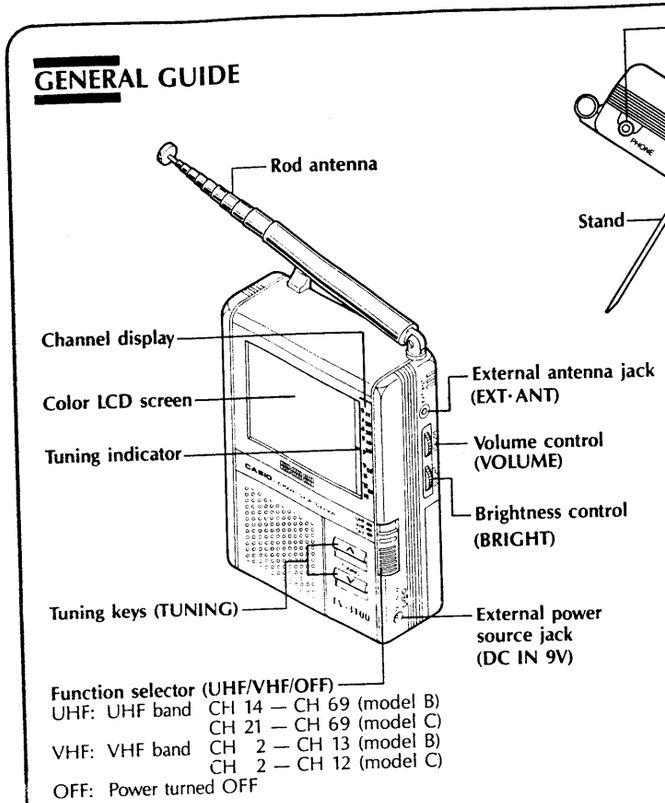
CAUTIONS

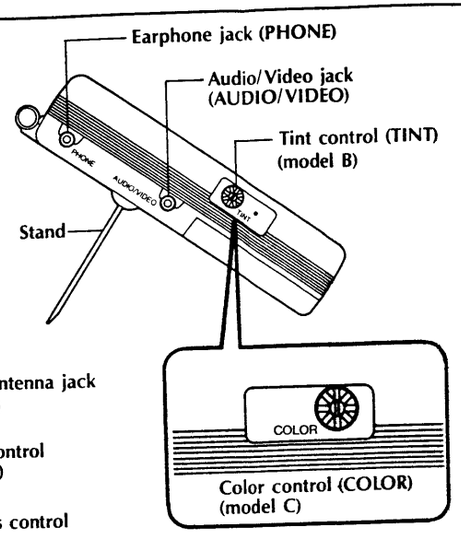
- Never attempt your own maintenance.
- Avoid water and dust.
- Do not use thinners or other chemical cleaners.
- Only use specified adaptors and power sources.
- Do not expose to temperature extremes or direct sunlight.
- Do not expose to temperature extremes or direct sunlight.
- Turn power OFF when not in use and unplug the adaptor.
- Avoid dropping and strong impact.
- Remove batteries.
  When you do not use your TV for extended periods, be sure to remove the batteries. Old batteries can leak causing damage and malfunction of the unit.

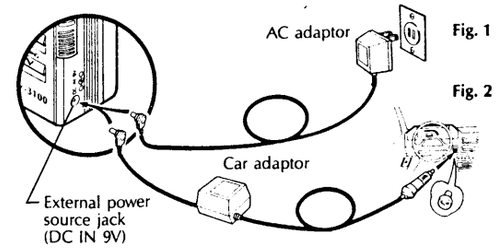
WATCHING THE TELEVISION

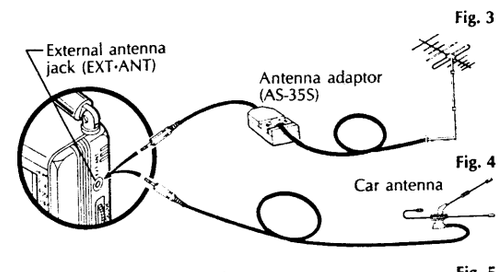
1. Extend the rod antenna.
2. Use the function selector to select either VHF or UHF.
3. Press either of the tuning keys, [∧][∨], and the tuning indicator will move to the next receivable channel. Repeat this operation until the desired channel is tuned in.
4. Use the volume control to set the sound to a suitable level.
5. Use the brightness control to adjust the brightness of the picture.

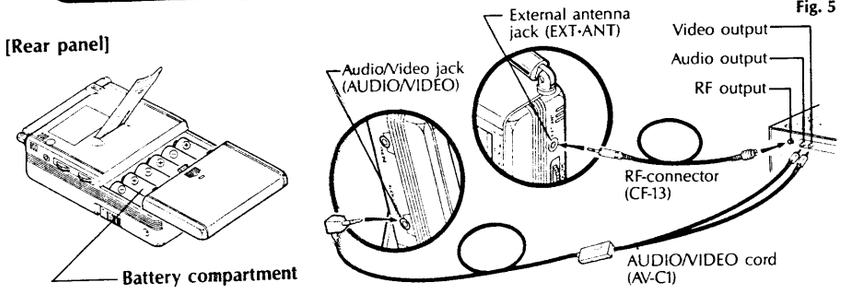
GENERAL GUIDE


Rod antenna
Channel display
Color LCD screen
Tuning indicator
Tuning keys (TUNING)
Function selector (UHF/VHF/OFF)
UHF: UHF band CH 14 — CH 69 (model B)
CH 21 — CH 69 (model C)
VHF: VHF band CH 2 — CH 13 (model B)
CH 2 — CH 12 (model C)
OFF: Power turned OFF
External antenna jack (EXT·ANT)
Volume control (VOLUME)
Brightness control (BRIGHT)
External power source jack (DC IN 9V)









Car antenna — Fig. 4

A commercially available car antenna with a 3.5ϕ mini plug connector can be used for better reception in motor vehicles.
Reception may be unstable when the vehicle is in motion due to fluctuations in signal wave conditions. Consult the instruction manual for your antenna for details.

RF connector — Fig. 5

The optional RF connector or AUDIO/VIDEO cord allows the TV to be used as a video cassette recorder monitor, etc.
Note that the jack used depends on the type of connector.

BATTERY INSTALLATION

1. Set the function selector to OFF.
2. Remove the battery compartment cover by sliding it in the direction of the arrow indicated in the figure.
3. Load six batteries ensuring that the polarity (⊕/⊖) are facing in the proper direction.

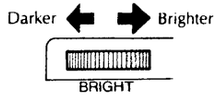
Symptoms		Possible causes	What to do
Picture	Sound		
Picture dark or blurred	Sound heard	1. Brightness control needs adjusting.	1. Adjust brightness.
Color light, not present	Sound heard	1. Color control not properly set. (Model C) 2. Rod antenna not extended.	1. Ajust COLOR control. (Model C) 2. Extend rod antenna and set to proper angle.
Color irregular	Sound heard	1. TINT control not properly set. (Model B)	1. Adjust TINT control. (Model B)

SPECIFICATIONS

Type: Color LCD television

receivable channel. Repeat this operation until the desired channel is tuned in.

4. Use the volume control to set the sound to a suitable level.
5. Use the brightness control to adjust the brightness of the picture.
   The brightness of the screen changes with the viewing angle.



6. If necessary, use the tint control (model B) or the color control (model C) to adjust the color of the picture.
   COLOR : Controls the darkness of the color
   TINT : Controls the tint of the color

(Model B)

(Model C)

NOTE

Under poor reception conditions, the tuning indicator may continue to move without stopping because the auto tuner cannot detect weak broadcasts. In this case, use a commercially available external antenna or relocate the TV to a place where reception is better.

Locations where TV reception is bad

- Far away from broadcasting stations, among ferro-concrete structures or near mountains.
- Underground, in tunnels or in ferro-concrete buildings.
- Near high-tension wires, neon signs, or radio stations whose frequencies interfere.
- Near railroads, highways or airports.
- In trains or cars.

Backlight

In low temperatures, it will take some time for the fluorescent material to illuminate, or the light will take on a reddish tinge. This does not indicate malfunction of the backlight. Normal operation will resume after a short while.

OPTIONAL POWER SOURCES

AC Household current (mains) — Fig. 1

The optional AC adaptor allows the TV to be powered by standard household current.

Car battery (DC 12V) — Fig. 2

The optional car adaptor allows the TV to be powered by a car battery through the vehicle's cigarette lighter. ***You should never, however, attempt to watch television while operating a motor vehicle.***

CAUTION

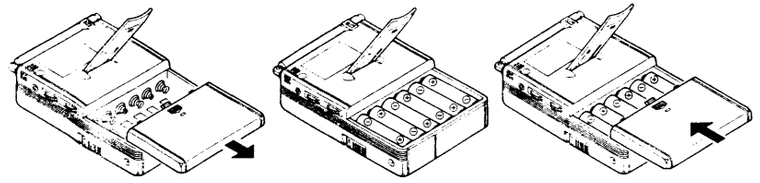
- Never connect the car adaptor to cigarette lighters for such vehicles as trucks or buses that use 24V DC electrical power.
- When an adaptor is plugged into the DC IN jack, the battery power source is automatically switched OFF.
- Adaptors may become warm to the touch after extended periods of use. This is normal and is no cause for alarm.

EXTERNAL ANTENNAS

Outdoor antenna — Fig. 3

If you are located in a remote area, among ferro-concrete structures or in a mountainous region, reception can be adversely affected. In this case, purchase an antenna adaptor with a 3.5φ mini plug connector and connect it to your outdoor antenna. Insert the plug of the adaptor into the EXT·ANT jack of the TV.

1. Set the function selector to OFF.
2. Remove the battery compartment cover by sliding it in the direction of the arrow indicated in the figure.
3. Load six batteries ensuring that the poles (⊕ / ⊖) are facing in the proper directions.
4. Replace the battery compartment cover.



BATTERY LIFE

The first indication of weakening batteries will be a reduction in volume followed by unstable picture quality and sound. At this time, replace batteries with a full set of new ones and never mix battery types.

Battery Type	Battery Life
LR6 (AM-3)	3 hours
R6 (UM-3)	45 minutes

The batteries supplied with your TV are test batteries (R6 (UM-3)) which have a shorter life span than that noted above.

TROUBLESHOOTING

Check the following points before assuming malfunction of the TV.

Symptoms		Possible causes	What to do
Picture	Sound		
No picture	No sound	1. Dead batteries. 2. Polarity of batteries incorrect. 3. AC adaptor or car adaptor not properly connected.	1. Replace batteries. 2. Reinsert batteries making sure poles are properly aligned. 3. Correctly connect adaptor.
No picture	Noise	1. Not properly tuned.	1. Adjust tuning.
Picture visible	No sound	1. Volume control dial turned too low. 2. Earphone inserted.	1. Turn up volume. 2. Disconnect earphone.
Picture all white	Sound heard	1. Brightness control not set correctly.	1. Adjust brightness control.
Picture not clear (picture moves up or down, disappears periodically, becomes fuzzy or blurred, is doubled, etc.)	Sound heard	1. Rod antenna folded. 2. Not properly tuned. 3. Battery power low. 4. Interference from automobiles, electric appliances, etc. 5. Reception bad due to weak signals, buildings, mountains, etc.	1. Extend rod antenna. Adjust angle and direction for best reception. 2. Adjust tuning. 3. Replace batteries. 4. • Move further away from appliance causing interference. • Change antenna position. 5. In locations with poor reception, it may not be possible to get a clear picture or any picture at all.

SPECIFICATIONS

Type:	Color LCD television
Reception Frequencies:	UHF: CH 14 — CH 69 (model B)/CH 21 — CH 69 (model C) VHF: CH 2 — CH 13 (model B)/CH 2 — CH 12 (model C)
Display Element:	High resolution color liquid crystal display (twisted nematic type)
Drive System:	HQM (High Quality Matrix) system
Screen Size:	3.3 inches
Backlight:	High luminance fluorescent material
Antennas:	VHF, UHF, rod antenna
Speaker:	$1^{7}/_{16}\phi$ inches (36 mm) × 1
Connection Terminals:	External antenna jack (3.5φ mini) Earphone jack (3.5φ mini) External power jack (DC IN 9V) AUDIO/VIDEO input jack (3.5φ mini)
Power Supply:	3-way power supply system Batteries — 6 AA-size dry batteries AC — AC adaptor AD-K90 (option) Car battery — Car adaptor CA-K90 (option)
Power Consumption:	Approx. 4.6 W
Ambient Temperature Range:	32°F (0°C) ~ 104°F (40°C)
Dimensions:	$5^{1}/_{4}$" (H) × $3^{5}/_{8}$" (W) × $1^{1}/_{4}$" (D) 133 mm (H) × 92 mm (W) × 32.5 mm (D)
Weight:	16 oz 455 g (including batteries)
Standard Accessories:	Test batteries (R6 (UM-3) × 6), Earphone, and Soft case

Specifications and design are subject to change without notice.

OPTIONS

AC adaptor:	AD-K90	Antenna adaptor:	AS-35S
Car adaptor:	CA-K90	AUDIO/VIDEO cord:	AV-C1
RF connector:	CF-13		

NOTES

The TV-3100 model B is tuned for American standard NTSC (M) system which is adopted in the following countries.

American Samoa, Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda, Bolivia, Burma, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Kampuchea, Mexico, Micronesia, Nicaragua, Panama, Peru, Philippines, Puerto Rico, Saint Christopher & Nevis, Saint Lucia, South Korea, Surinam, Taiwan, Trinidad and Tobago, U.S.A., Venezuela

The TV-3100 model C is tuned for CCIR standard PAL (B/G/H) system which is adopted in the following countries.

Afghanistan, Algeria, *Australia, Austria, Bahrain, Bangladesh, Belgium, Brunei, Central African Rep., Denmark, Equatorial Guinea, Ethiopia, Finland, Ghana, Greenland, Holland, Iceland, India, Indonesia, Jordan, Kenya, Kuwait, Liberia, Luxembourg, Malaysia, Maldives, Malta, Mozambique, New Zealand, Nigeria, Norway, Oman, Pakistan, Portugal, Qatar, Seychelles, Sierra Leone, Singapore, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tanzania, Thailand, The Yemen Arab Rep., Turkey, United Arab Emirates, West Germany, Yugoslavia, Zambia

* Except VHF band: CH 3 — 5 and 5A